Name:

I can:

\_\_\_\_\_ Identify the domain & range of a relation from a graph;

\_\_\_\_\_ Find intervals of increasing and decreasing;

\_\_\_\_\_ Find the *x*- and *y*-intercepts of a graph;

\_\_\_\_\_ Identify the end behavior of a relation from a graph;

\_\_\_\_\_ Determine if a relation in a graph has symmetry and if so, what kind;

\_\_\_\_\_ Find relative and absolute maxima and minima of a relation from a graph

\_\_\_\_\_ Solve *f*(*x*) = ? and solve *f*(?) = *y;*

\_\_\_\_\_ Describe the features of a graph;

\_\_\_\_\_ Draw a graph based on features given (domain, range, intervals of increasing/decreasing), etc.;

\_\_\_\_\_ Compare functions in different forms (table, graph, story);

\_\_\_\_\_ Make a table, graph, or story for a graph given one of the above three things;

\_\_\_\_\_ Compare rates of change given a graph;

\_\_\_\_\_ Match a graph to a function family;

\_\_\_\_\_ Transform a graph given a set of transformations;

\_\_\_\_\_ Identify the transformations of a graph given the parent function and the transformed function;

\_\_\_\_\_ Graph a piecewise-defined function and write the equations of a such a function given a graph;

\_\_\_\_\_ Model arithmetic sequences with explicit formulae and find the nth term of a sequence;

\_\_\_\_\_ Graph lines in slope-intercept and standard forms and write the equation of a line in any form;

\_\_\_\_\_ Find the solution to a system of two or three linear equations;

How to prepare:

\_\_\_\_\_ Review the Introduction to Graphing packet;

\_\_\_\_\_ Review the Representational Fluency graphing packet;

\_\_\_\_\_ Review the card-matching game

\_\_\_\_\_ Review the Families of Functions cut-apart cards activity;

\_\_\_\_\_ Review the Mini-Cooper transformations packet;

\_\_\_\_\_ Review the Finding Arithmetic Sequences packet;

\_\_\_\_\_ Look at videos on LearnZillion or Khan Academy;

\_\_\_\_\_ Do online review with [www.regentsprep.org](http://www.regentsprep.org), [www.ixl.com](http://www.ixl.com), [www.math.com](http://www.math.com), [www.sosmath](http://www.sosmath), or

[www.purplemath.com](http://www.purplemath.com), ;

\_\_\_\_\_ Work with a partner to describe a graph well enough that your partner can draw it; trade places;

\_\_\_\_\_ Study with another student from this class or from Raskin’s delta period;

\_\_\_\_\_ Work with a partner or a small group to create problems for each other to solve;

\_\_\_\_\_ Make an appointment to see Rodriguez at break, lunch, or tutorial and come prepared with specific

questions.